



# State of South Carolina

Invitation for Bid  
Amendment - 1

Solicitation Number: 5400004470  
Date Issued: 6/7/2012  
Procurement Officer: E. Madison Winslow  
*E. Madison Winslow*  
Phone: 803-898-3487  
E-Mail Address: [winsloem@dhec.sc.gov](mailto:winsloem@dhec.sc.gov)

DESCRIPTION: UST Corrective Action, UST Permit #09141 - Kingstree, SC; UST Permit #19466 - Hampton, SC  
USING GOVERNMENTAL UNIT: South Carolina Department of Health and Environmental Control

*The Term "Offer" Means Your "Bid" or "Proposal". Solicitation Number & Opening Date must appear on package exterior. See "Submitting Your Offer" provision.*

SUBMIT YOUR SEALED OFFER TO EITHER OF THE FOLLOWING ADDRESSES:

MAILING ADDRESS:

SC DHEC  
Attn: Procurement Services Division  
2600 Bull Street  
Columbia SC 29201-1708

PHYSICAL ADDRESS:

SC DHEC  
Attn: Procurement Services Division  
2600 Bull Street  
Columbia SC 29201-1708

SUBMIT OFFER BY (Opening Date/Time): **June 14, 2012/2:30 pm ET** (See "Deadline For Submission Of Offer" provision)

QUESTIONS MUST BE RECEIVED BY: **June 5, 2012/2:30 pm ET** (See "Questions From Offerors" provision)

NUMBER OF COPIES TO BE SUBMITTED: 1

CONFERENCE TYPE: **Not Applicable**  
DATE & TIME:

LOCATION: **Not Applicable**

(As appropriate, see "Conferences - Pre-Bid/Proposal" & "Site Visit" provisions)

AWARD &  
AMENDMENTS

Award will be posted on **June 21, 2012**. The award, this solicitation, any amendments, and any related notices will be posted at the following web address: <http://www.procurement.sc.gov>

You must submit a signed copy of this form with Your Offer. By submitting a bid or proposal, You agree to be bound by the terms of the Solicitation. You agree to hold Your Offer open for a minimum of thirty (30) calendar days after the Opening Date.

(See "Signing Your Offer" and "Electronic Signature" provisions.)

NAME OF OFFEROR

(full legal name of business submitting the offer)

Any award issued will be issued to, and the contract will be formed with, the entity identified as the Offeror. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, i.e., a separate corporation, partnership, sole proprietorship, etc.

AUTHORIZED SIGNATURE

(Person must be authorized to submit binding offer to contract on behalf of Offeror.)

TAXPAYER IDENTIFICATION NO.

(See "Taxpayer Identification Number" provision)

TITLE

(business title of person signing above)

STATE VENDOR NO.

(Register to Obtain S.C. Vendor No. at [www.procurement.sc.gov](http://www.procurement.sc.gov))

PRINTED NAME

(printed name of person signing above)

DATE SIGNED

STATE OF INCORPORATION

(If you are a corporation, identify the state of incorporation.)

OFFEROR'S TYPE OF ENTITY: (Check one)

(See "Signing Your Offer" provision.)

☐ Sole Proprietorship

☐ Partnership

☐ Other \_\_\_\_\_

☐ Corporate entity (not tax-exempt)

☐ Corporation (tax-exempt)

☐ Government entity (federal, state, or local)

**PAGE TWO**

**(Return Page Two with Your Offer)**

<b>HOME OFFICE ADDRESS</b> (Address for offeror's home office / principal place of business)	<b>NOTICE ADDRESS</b> (Address to which all procurement and contract related notices should be sent.) (See "Notice" clause)	
	_____ Area Code -	
	Number - Extension _____	Facsimile _____
	_____ E-mail Address	

<b>PAYMENT ADDRESS</b> (Address to which payments will be sent.) (See "Payment" clause)	<b>ORDER ADDRESS</b> (Address to which purchase orders will be sent) (See "Purchase Orders and "Contract Documents" clauses)
_____ Payment Address same as Home Office Address	_____ Order Address same as Home Office Address
_____ Payment Address same as Notice Address <b>(check only one)</b>	_____ Order Address same as Notice Address <b>(check only one)</b>

<b>ACKNOWLEDGMENT OF AMENDMENTS</b> Offerors acknowledges receipt of amendments by indicating amendment number and its date of issue. (See "Amendments to Solicitation" Provision)							
Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date

<b>DISCOUNT FOR PROMPT PAYMENT</b> (See "Discount for Prompt Payment" clause)	10 Calendar Days (%)	20 Calendar Days (%)	30 Calendar Days (%)	_____ Calendar Days (%)

## **AMENDMENTS TO SOLICITATION (JAN 2004)**

(a) The Solicitation may be amended at any time prior to opening. All actual and prospective Offerors should monitor the following web site for the issuance of Amendments: [www.procurement.sc.gov](http://www.procurement.sc.gov) (b) Offerors shall acknowledge receipt of any amendment to this solicitation (1) by signing and returning the amendment, (2) by identifying the amendment number and date in the space provided for this purpose on Page Two, (3) by letter, or (4) by submitting a bid that indicates in some way that the bidder received the amendment. (c) If this solicitation is amended, then all terms and conditions which are not modified remain unchanged. [02-2A005-1]

### **Amendment Number One Solicitation 5400004470**

## **CHANGE IN SOLICITATION**

**Correction to Appendices:** The appendices have been modified to correct an error. The corrected appendices have now been posted. The corrected pages are for Page 2 for both Appendix A and Appendix B.

### **Questions and Answers**

**Question:** DHEC has specified utilizing Klozur persulfate, Klozur Caustic, 25% NaOH, and PermiOx Plus. I contacted the manufacturer of the tooling used to perform injections (Geoprobe Systems) and was advised as follows:

"I can tell you that Sodium Persulfate (Klozur) is a no go with standard Geoprobe tooling components. Basically it attacks everything we would make a good direct push tool out of (carbon alloy steel). Your only hope of success with that particular product/chemical is to install PVC wells first and then be able to pump through those. Even then you need to be very careful with pump body components, quick connect fittings on hoses, etc. as it's hard on most metals including brass."

The bid proposes injection points for the installation of this material which would not be possible using Geoprobe tooling as referenced above. The installation of PVC wells is not specified in the bid and due to the sheer mass of product needed to be injected, would not be suitable for high pressure injection. Please advise as to the method DHEC prefers to use to install the chemicals specified in the bid package.

**Answer:** It is true that Sodium Persulfate (commonly referred to the brand name Klozur) can generate under certain usage environments highly corrosive conditions that can attack certain materials. However, the Agency has specified the use of high pH (or base) activated Sodium Persulfate technology. The Sodium Persulfate (Klozur) is activated via the addition of Permeox Plus (or in some cases sodium hydroxide) resulting in an increase of the pH and a considerably lower corrosive potential.

Please see the manufacturer's guidelines for "Corrosion and Material Compatibility" for more information. This mixture is commonly referred to as "high pH activated persulfate." This process is successfully used across numerous sites in North America and Canada using direct push methods involving equipment manufactured by Geoprobe and other manufacturers.

Because the high pH activated persulfate still has some corrosive potential, it is common for contractors to take some or all of the following additional precautions to protect their equipment from corrosion:

- Do not use fittings made of soft metals such as brass, or soft rubber compounds for hose material, as these are not compatible with the product;
- Use direct push equipment that is well maintained as compromised rods, pumps, and hosing are more susceptible to deterioration;
- As the threads connecting the push rod sections are more susceptible to corrosive effects, a common practice is to apply a Teflon coating to the threads;
- In some cases, contractors may choose to temporarily line the rods with a compatible plastic liner;
- The time of contact with the activated persulfate solution should be minimized by immediately flushing the system with the specified chase water at the completion of injection at each point. Flushing exposed threads immediately after pulling and decoupling rods is important as well.

As for methods of implementation, the Agency places that determination on the bidding contractor. Certified contractors who wish to bid should make the determination on how, what, or if to bid based on the information provided in the bid solicitation, technical file and any amendments to the solicitation that are posted during the solicitation response time.